

Pressure Relief Procedure



Be sure to follow the pressure relief procedure when shutting the unit down for any purpose, including servicing or adjusting any part of the spray system, changing or cleaning spray tips, or preparing for cleanup.

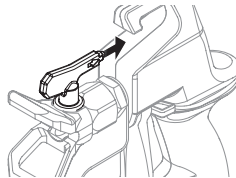
1. Lock the gun by turning the gun trigger lock to the locked position. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob.
2. Turn the DirectLink pressure control knob fully clockwise to minimum.
3. Turn the PRIME/SPRAY knob to the PRIME position.
4. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.
5. Unlock the gun by turning the gun trigger lock to the unlocked position.
6. Fully pull the spray lever on the cart handle to trigger the spray gun and release any remaining pressure in the hose.
7. Lock the gun by turning the gun trigger lock to the locked position. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob.



Clearing a Clogged Tip

If the spray pattern becomes distorted or stops completely while the trigger is pulled, follow these steps.

1. Place a sheet of cardboard or small bucket under the spray gun to catch the paint.
2. Rotate the tip 180° so that the arrow on the tip handle is pointing opposite the spray direction.



NOTE: If the tip is difficult to rotate, relieve pressure by 1) slowly turning the PRIME/SPRAY knob to PRIME, 2) unlock the spray gun, and 3) squeeze the spray lever. Release the lever, lock the spray gun, and try rotating the spray tip again.

3. Make sure the PRIME/SPRAY knob is turned to SPRAY. Unlock the spray gun.
4. Trigger the gun once so that the pressure can blow the clog out.

IMPORTANT: Never pull the trigger more than once at time with the tip in the reverse position.

5. Continue this procedure until the tip is clear of the clog.



Do not attempt to clean the tip with your finger.

Do not use a needle or other sharp pointed instrument to clean the tip. The hard tungsten carbide is brittle and can be chipped.

Changing a Spray Tip

Tips can be removed and replaced easily without disassembling the gun.

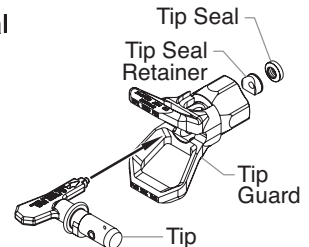


Never attempt to change or clean the tip or tip guard without first performing the "Pressure Relief Procedure."

1. Perform the "Pressure Relief Procedure" described in the sprayer's Owner's Manual.
2. Remove the tip from the slot on the tip guard.
3. Insert the new tip into the slot on the tip guard. The arrow on the tip handle should be pointing in the forward direction for spraying.

Removing the Seal and Tip Seal

1. Remove the tip from the tip guard.
2. Insert the tip handle through the front of the tip guard.
3. Push the seal and tip seal out through the back of the tip guard.



Identifying Tip Sizes

To identify tip sizes, use the following formula. A "1908" tip size will be used in this example.

The last two digits divided by two represent the size of the spray pattern when spraying 6" away from the work surface:

$$08 \div 2 = 4" \text{ spray pattern}$$

The first two digits represent the diameter of the orifice on the tip:

$$19 = .019" \text{ orifice}$$

NOTE: Worn spray tips will adversely affect the spray pattern and result in reduced production, poor finish, and wasted material. Replace worn tips immediately.

Stenciling

To stencil with this line striper, make multiple spraying passes from right to left over the stencil with the spray gun connected to the gun holder. Or, the spray gun can be removed and used independently from the striper.

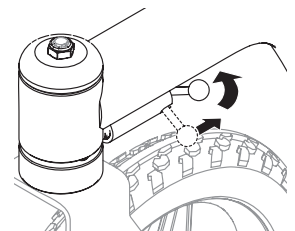
To remove the spray gun:

1. Perform the Pressure Relief Procedure in the Operation section of this manual.
2. Loosen the gun holder block knob on top of the gun holder.
3. Slide the spray gun out of the gun holder.

Operating the Front Caster

The front caster on the cart is designed to track the sprayer in either a straight line or allow free-wheel striping. To adjust the front caster:

1. Pull the handle on the side of the caster up and back to release the wheel for free-wheel striping.
2. To lock the wheel back into place, pull the handle down. Once the front wheel is turned straight again, the wheel will lock back into place.



Cleanup



Special cleanup instructions for use with flammable solvents:

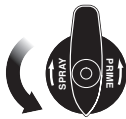
- Always flush spray gun preferably outside and at least one hose length from spray pump.
- If collecting flushed solvents in a one gallon metal container, place it into an empty five gallon container, then flush solvents.
- Area must be free of flammable vapors.
- Follow all cleanup instructions.

IMPORTANT: The sprayer, hose, and gun should be cleaned thoroughly after daily use. Failure to do so permits material to build up, seriously affecting the performance of the unit.



Always spray at minimum pressure with the gun spray tip removed when using mineral spirits or any other solvent to clean the sprayer, hose, or gun. Static electricity buildup may result in a fire or explosion in the presence of flammable vapors.

1. Follow the "Pressure Relief Procedure" found in the Operation section of this manual.
2. Remove the gun tip and tip guard and clean with a brush using the appropriate solvent.
3. Place the siphon tube into a container of the appropriate solvent (refer to recommendations of the material manufacturer). An example of the appropriate solvent is water for latex paint.
4. Place the return hose into a metal waste container.
5. Turn the PRIME/SPRAY knob to the PRIME position.
6. Start the engine.
7. Slowly turn the DirectLink pressure control knob counterclockwise to increase the pressure until fluid starts to come out of the return hose. Use only enough pressure to keep the fluid coming out.
8. Allow the fluid to circulate through the sprayer and flush the paint out of the return hose into the metal waste container.
9. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.
10. Place a metal waste container underneath the spray gun to catch the paint and solvent.
11. Start the engine.
12. Turn the PRIME/SPRAY knob to the SPRAY position.
13. Turn the DirectLink pressure control knob slowly counterclockwise to increase the pressure.
14. Fully pull the spray lever on the cart handle to trigger the spray gun. Fluid will begin flowing through the spray hose and out of the gun.
15. Continue to pull the spray lever on the cart handle until the material is flushed out of the hose and the solvent coming out of the gun is clean.
16. Release the spray lever.



NOTE: For long-term or cold weather storage, pump Pump Saver™ through the entire system.

17. Follow the "Pressure Relief Procedure" found in the Operation section of this manual.
18. Store the sprayer in a clean, dry area.

IMPORTANT: Do not store the sprayer under pressure.

Special Cleanup

IMPORTANT: Perform the following procedure after spraying with water-based materials only.

Perform the following procedure when the valves of the sprayer are stuck or when preparing the sprayer for long term storage. The use of a pump cleaning adapter that attaches to the bottom of the siphon tube is required (the pump cleaning adapter is included with the sprayer).

1. Lock the gun and remove the spray tip assembly. If necessary, loosen the gun holder clamp knob and then engage the spray gun trigger lock. Move the spray gun to its original position and tighten the clamp knob. Place the suction tube and return tube into an empty waste container.

2. Using a garden hose, rinse off the siphon tube, return hose and inlet filter. Empty the waste container.

3. Remove the inlet filter from the suction tube and place into a waste container.

4. Verify that the seals are present inside the adapter and suction tube. Thread the pump cleaning adapter onto a garden hose. Connect the hose and adapter to the fitting on the end of the siphon tube.

5. Unclick the return hose from the siphon tube and place it into the waste container.

6. Turn the PRIME/SPRAY knob to the PRIME position.

7. Turn on the water supply.

8. Start the engine. Water will go into the siphon tube and out through the return hose. Let the sprayer run for a few minutes to allow the return hose to be flushed.

9. Turn off the sprayer by pressing and holding the engine shutoff switch until the motor shuts off.

10. Place a metal waste container underneath the spray gun to catch the cleaning solution.

11. Start the engine.

12. Turn the PRIME/SPRAY knob to the SPRAY position.

13. Turn the DirectLink pressure control knob slowly counterclockwise to increase the pressure.

14. Fully pull the spray lever on the cart handle to trigger the spray gun. Fluid will begin flowing through the spray hose and out of the gun.

15. Continue to pull the spray lever on the cart handle until the material is flushed out of the hose and the water coming out of the gun is clean.

16. Release the spray lever.

17. Follow the "Pressure Relief Procedure" found in the Operation section of this manual.

